

Sw. Prod.

JUL 15 1953

July 13, 1953
Orlando, Florida

To: G. W. Eddy

From: A. H. Baumhover

Subject: Final report on Curacao Survey

The following tables complete the fly trapping and egg mass collection data obtained during the recent Curacao Survey:

Trap Collections

Trap Location	Piscadera	Noordkant	Noordkant	St.Kruis	St.Kruis	Macao	St.Joris	Siberio
Inclusive dates	7/7-10	6/23-26	6/27-30	7/4-6	7/7-10	7/5-8	7/5-8	7/7-10
Quantity in liters	3.0	5.7	4.0	1.0	1.0	0.3	0.3	2.0
No. of Screw-worms	5	28	13	3	5	1	0	8

Egg Mass Collections (1 mile southeast of St. Kruis trap)

Date	7/5	6	7	8	9
Number of egg masses	1	5	5	9	7

For the egg mass collections 3 adult goats with 5 kids were confined in a pen. Two of the 3 adult goats were infested with screw-worms.

One goat infested at the St. Joris location during the previous week failed to pick up a single egg mass, undoubtedly due to its ability to fight off the flies desiring to oviposit. Three cases in dairy animals were observed during the same period at this location. The treatment of the wounds with EQ-335, no doubt, interfered with the attempts to obtain egg mass data at this location.

Mr. Bitter has agreed to operate 6 traps at the locations on the enclosed map and to send a trap both to Bonaire and Aruba Islands. Since Mr. Bitter has become quite proficient in detecting the screw-worm fly in the collections I think it would be satisfactory to have him make the counts in 3 or 4 of the collections and send the remainder to our laboratory.

The local meteorologist has promised to provide weather data over the past 10 years on Curacao.

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The following tables complete the fly trapping and egg mass collection data obtained during the recent Curacao Survey:

Trap Collections

Trap location	Inclusive dates	Quantity in liters	No. of screw-worms
Placarders Noordkant	7/7-10	3.0	5
6/25-28		5.7	28
Noordkant Noordkant	6/27-30	4.0	13
6/27-30		1.0	3
6/27-30		1.0	2
6/27-30		1.0	1
6/27-30		0.3	0
6/27-30		0.3	8
6/27-30		0.3	8

Egg Mass Collections (1 mile southeast of St. Joris trap)

Date	Number of egg masses
7/5	1
7/6	5
7/7	3
7/8	7

For the egg mass collections 3 adult goats with 3 kids were confined in a pen. Two of the 3 adult goats were infested with screw-worms.

One goat infested at the St. Joris location during the previous week failed to pick up a single egg mass, undoubtedly due to its ability to fight off the flies dealing to oviposit. Three cases in dairy animals were observed during the same period at this location. The treatment of the wounds with EQ-555, no doubt, interfered with the attempts to obtain egg mass data at this location.

Mr. Bitter has agreed to operate 6 traps at the locations on the enclosed map and to send a trap both to Bonair and Aruba Islands. Since Mr. Bitter has become quite proficient in detecting the screw-worm fly in the collections I think it would be satisfactory to have him make the counts in 3 or 4 of the collections and send the remainder to our laboratory.

The local meteorologist has promised to provide weather data over the past 10 years on Curacao.

The yearly loss from screw-worms on Suracao has been roughly estimated at from 160,000 to 260,000 dollars.

Mr. Bitter is requesting the reservation of a presently unoccupied government building for our use, pending the decision to use the island for our screw-worm research. Although this building is located near human dwellings, the constant, prevailing winds are in the proper direction to minimize the annoyance of undesirable odors.

Two shipments of cattle from Colombia to Curacao were observed. The first shipment consisted of 140 head. Three of the animals had wounds which dripped blood, suggesting the presence of screw-worms. However, I was unable to obtain the cooperation necessary for a close inspection. The second shipment of cattle numbering 160 head were in better condition and free of wounds suggesting the presence of screw-worms. According to the men on the boat the cattle came from an area where the screw-worm was prevalent. However, on the ranches the cattle are closely observed for screw-worms and before shipping, any infestations observed are treated with creoline before the cattle are loaded. The shipment of livestock to Curacao from screw-worm infested areas presents a problem which certainly must be solved to make an eradication program on Curacao feasible.

Alfred H. Baumhauer

enc.

cc: E.F. Knipling
A.W. Lindquist
R.C. Bushland

The yearly loss from screw-worms on horses has been roughly estimated at from 150,000 to 250,000 dollars.

Mr. Bitter is requesting the reservation of a presently unoccupied Government building for our use, pending the decision to use the island for our screw-worm research. Although this building is located near human dwellings, the constant, prevailing winds are in the proper direction to minimize the annoyance of undesirable odors.

Two shipments of cattle from Colombia to Curacao were observed. The first shipment consisted of 140 head. Three of the animals had wounds which dripped blood, suggesting the presence of screw-worms. However, I was unable to obtain the cooperation necessary for a close inspection. The second shipment of cattle numbering 150 head were in better condition and free of wounds suggesting the presence of screw-worms. According to the men on the boat the cattle came from an area where the screw-worm was prevalent. However, on the ranches the cattle are closely observed for screw-worms and before shipping, any infections observed are treated with creolin before the cattle are loaded. The shipment of livestock to Curacao from screw-worm infested areas presents a problem which certainly must be solved to make an eradication program on Curacao feasible.

Spencer W. Bland

cc: E.R. Hargling
A.W. Lindquist
R.C. Bland